

Patent Application Number: 10/801,464  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND  
INTERFERENCES**

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On behalf of

Debora M. H. **LITWILLER**

**APPELLANT**

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Application: **10/801,464**

Examiner: **B. Parker**

Filed: **March 16, 2004**

Group Art Unit: **2174**

Confirmation: **3203**

Title: **METHOD AND SYSTEM FOR DISPLAYING ANNOTATED  
INFORMATION ASSOCIATED WITH A SETTABLE VARIABLE  
VALUE FEATURE**

**APPELLANT'S BRIEF ON APPEAL**

**TABLE OF CONTENTS**

I. REAL PARTY IN INTEREST.....	2
II. RELATED APPEALS AND INTERFERENCES .....	2
III. STATUS OF CLAIMS.....	2
IV. STATUS OF AMENDMENTS.....	2
V. SUMMARY OF CLAIMED SUBJECT MATTER.....	2-5
VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL...	5
VII. ARGUMENT.....	5-65
VIII. CLAIMS APPENDIX.....	66-75
IX. EVIDENCE APPENDIX.....	76
X. RELATED PROCEEDINGS APPENDIX .....	77

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**APPLICANT:** Debora M. H. LITWILLER

**GROUP:** 2174

**APPLICATION:** 10/801,464

**EXAMINER:** B. Parker

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**CONFIRMATION:** 3203

**FOR: METHOD AND SYSTEM FOR DISPLAYING ANNOTATED  
INFORMATION ASSOCIATED WITH A SETTABLE VARIABLE  
VALUE FEATURE**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

**APPEAL BRIEF FOR APPELLANT**

This Appeal Brief is being submitted in accordance with the Notice of Appeal, filed on September 14, 2009, in connection with the above-identified application.

**I. REAL PARTY OF INTEREST**

The party of real interest to this appeal is the Assignee, Xerox Corporation.

**II. RELATED APPEALS AND INTERFERENCES**

The Appellant knows of no other pending appeals or interferences that are related to this instant appeal.

**III. STATUS OF CLAIMS**

Claims 1-20 are pending in this application. Claims 1-20 are appealed.

**IV. STATUS OF AMENDMENTS**

The Appellant submitted a Response under 37 C.F.R. 1.116 on November 15, 2007, wherein minor amendments to the claims to correct grammatical and form errors were presented. Since the Examiner, to date, has not formally indicated that these amendments were not entered, the Appellant is submitting this Appeal Brief based upon the assumption that these minor amendments have been entered. The Appellant has not filed any other Responses and/or Amendments subsequent to the Final Office Action, dated September 24, 2007.

**V. SUMMARY OF CLAIMED SUBJECT MATTER**

In accordance with 37 C.F.R. 41.37(2)(c)(v), the following are concise explanations of the subject matter defined in the independent claims (1, 7, and 16) involved in this Appeal.

**Independent Claim 1**

Independent claim 1 recites a method of setting a variable value feature, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values, on a user interface, the user interface having user activatable areas enabling a selection and changing of the variable value feature. The method displays, on the user interface, a first numeric value associated with a user selected variable value feature (see, for example, Figure 6 and page 11, line 20 through page 12, line 2, of the originally filed specification); changes the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature (see, for example, Figure 7 and page 12, lines 3-13, of the originally filed specification); and determines if an annotated message is associated with the displayed second numeric value associated with the selected variable value feature, the annotated message expressing information equivalent to the displayed second numeric value in a non-numeric form (see, for example, reference S5 of Figure 13; page 12, lines 3-13; and page 17, line 1 through page 18, line 3 of the originally filed specification).

The method displays the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message and displays no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message (see, for example, Figure 7; Figure 8; Figure 13; page 12, lines 3-26; and page 17, line 1 through page 18, line 3 of the originally filed specification).

**Independent Claim 7**

Independent claim 7 recites a user interface for selecting and setting a variable value feature, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values. The user interface includes a display area to display a first numeric value associated with a user selected variable value feature (see, for example, Figure 6 and page 11, line 20 through page 12, line 2, of the originally filed specification); a user activatable area to change the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature (see, for example, Figure 7 and page 12, lines 3-13, of the originally filed specification); a memory for storing a number of annotated messages, each annotated message being associated a numeric value of the user selected variable value feature, the annotated message expressing information equivalent to the associated numeric value of the user selected variable value feature in a non-numeric form (see, for example, page 12, lines 3-26, and page 17, line 1 through page 18, line 3 of the originally filed specification); and a controller to determine if a stored annotated message is associated with the displayed second numeric value associated with the selected variable value feature (see, for example, page 12, lines 3-26, and page 17, line 1 through page 18, line 3 of the originally filed specification).

The controller causes the display area to display the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message (see, for example, page 12, lines 3-26, and page 17, line 1 through page 18, line 3 of the originally filed specification). The controller causes the display area to display no annotated message associated when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message (see, for example, page 12, lines 3-26, and page 17, line 1 through page 18, line 3 of the originally filed specification).

**Independent Claim 16**

Independent claim 16 recites a method of setting a variable value feature on a control panel, the variable value feature having a plurality of values associated therewith, wherein the plurality of values include a default value, at least one industry accepted standard value, and a plurality of non-default values, the control panel having user activatable areas enabling a selection and changing of the variable value feature. The method displays, on a display device, a first numeric value associated with a user selected variable value feature (see, for example, Figure 6 and page 11, line 20 through page 12, line 2, of the originally filed specification); changes the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging one of the user activatable areas of the control panel associated with the selected variable value feature (see, for example, Figure 7 and page 12, lines 3-13, of the originally filed specification); determines if the displayed second numeric value is an industry accepted standard value associated with the displayed second numeric value (see, for example, reference S5 of Figure 13; page 12, lines 3-13; and page 17, line 1 through page 18, line 3 of the originally filed specification); displays an annotated message corresponding to the industry accepted standard value along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature, the annotated message expressing the industry accepted standard value associated with the displayed second numeric value in a non-numeric form (see, for example, Figure 7; Figure 8; Figure 13; page 12, lines 3-26; and page 17, line 1 through page 18, line 3 of the originally filed specification); and displays no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature (see, for example, Figure 7; Figure 8; Figure 13; page 12, lines 3-26; and page 17, line 1 through page 18, line 3 of the originally filed specification).

**VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL**

**A. Rejection of Claims 7-15 under 35 U.S.C. §101**

The issue is whether claims 7-15 set forth a useful machine in accordance with 35 U.S.C. §101.

**B. Rejection of Claims 1-20 under 35 U.S.C. §103**

The issue is whether claims 1-20 are patentable over Frederiksen et al. (US Patent 6,859,287) in view of Marshall et al. (Published US Patent Application 2003/0070139) in accordance with 35 U.S.C. §103.

**VII. ARGUMENTS**

**A. Rejection of Claims 7-15 under 35 U.S.C. §101**

Claims 7-15 have been rejected under 35 U.S.C. §101 for being directed to non-statutory subject matter. This rejection under 35 U.S.C. §101 is respectfully traversed.

In formulating the rejection under 35 U.S.C. §101, the Examiner asserts:

The claimed invention *as a whole* must accomplish a practical application. That is, it must produce a "useful, concrete and tangible result. [sic] However, the mere fact that the claim may satisfy the utility requirement of 35 U.S.C. 101 does not mean that a useful result is achieved under the practical application requirement.

The Examiner further asserts:

Claim 7 discloses "a user interface for selecting and setting a variable value feature..." The user interface itself [sic] merely software rather than a machine, manufacture, process or composition of matter. As such, it fails to fall within a statutory category. Therefore, claim 7 is rejected because the claimed invention is directed to non-statutory subject matter.

With respect to the Examiner's first assertion, the Examiner has apparently invented a new requirement under 35 U.S.C. §101, namely the practical application requirement for a claim.



Moreover, the Examiner apparently has established this requirement as a requirement that trumps the utility requirement of 35 U.S.C. §101 because the Examiner asserts that even if a claim satisfies the utility requirement of 35 U.S.C. §101, the claim may still not realize a “useful result” under “the practical application requirement.

35 U.S.C. §101 requires that a patent (claims) be directed a new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof. In other words, the claimed invention must have “utility.”

If a claimed invention has utility, by definition, the claimed invention is useful. In other words, the claimed invention, by definition, provides a useful result.

With respect to independent claim 7, independent claim 7 recites that a controller causes a display area to display an annotated message associated with a selected variable value feature along with a displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message.

Moreover, independent claim 7 recites that the controller causes the display area to display no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message.

In other words, the claimed invention of independent claim 7 provides a machine that manages the displaying of information. The management of the displaying of information is a specific utility and a substantial utility.

Therefore, independent claim 7 sets forth a specific and substantial utility.

In the Examiner’s second assertion, the Examiner claims that the claimed user interface is merely software, notwithstanding the specific claimed elements of the claim. In other words, the Examiner apparently is asserting that claims 7-15 fail to set forth the necessary physical articles to constitute a machine. This assertion is unsupportable in view of the language of claims 7-15.

As set forth above, independent claim 7 claims a user interface that comprises a display area, a memory, and a controller.

Independent claim 7 recites a display area to display a first numeric value associated with a user selected variable value feature. Notwithstanding, the Examiner asserts that the claimed display area is merely software.

As is readily appreciated by those skilled in the art, software is a set of intangible instructions that instructs a physical hardware device to perform certain operations. Software, in of itself, cannot perform functions.

Contrary to the Examiner's position, software, alone, cannot display a first numeric value associated with a user selected variable value feature. A physical device is needed to display a first numeric value associated with a user selected variable value feature.

Moreover, independent claim 7 recites a memory for storing a number of annotated messages, each annotated message being associated a numeric value of the user selected variable value feature, the annotated message expressing information equivalent to the associated numeric value of the user selected variable value feature in a non-numeric form. Notwithstanding, the Examiner asserts that the claimed memory is merely software.

Contrary to the Examiner's position, software, alone, cannot store a number of annotated messages. A physical device is needed to store a number of annotated messages.

Lastly, independent claim 7 recites that a controller causes the display area to display the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message. Notwithstanding, the Examiner asserts that the claimed controller is merely software.

Contrary to the Examiner's position, software, alone, cannot cause a display area to display an annotated message. A physical device is required cause a display area to display an annotated message.

Therefore, claims 7-15 explicitly recite physical devices which perform the claimed functions, not merely software, because software cannot, in of itself, perform such functions.

Accordingly, in view of all the reasons set forth above, the Honorable Board is respectfully requested to reconsider and overturn the present rejections under 35 U.S.C. §101.

**B. Rejection of Claims 1-20 under 35 U.S.C. §103**

Claims 1-20 have been rejected under 35 U.S.C. §103 as being unpatentable over Frederiksen et al. (US Patent 6,859,287) in view of Marshall et al. (Published US Patent Application 2003/0070139). This rejection under 35 U.S.C. §103 is respectfully traversed.

**Independent Claim 1**

As set forth above, independent claim 1 sets forth a method of setting a variable value feature, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values, on a user interface, the user interface having user activatable areas enabling a selection and changing of the variable value feature. The method displays, on the user interface, a first numeric value associated with a user selected variable value feature; changes the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature; and determines if an annotated message is associated with the displayed second numeric value associated with the selected variable value feature, the annotated message expressing information equivalent to the displayed second numeric value in a non-numeric form.

The method displays the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message and displays no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message.

In formulating the rejection, the Examiner alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose or suggest that reference item 64 of Figure 1 is a first numeric value associated with a user selected variable value feature, as set forth by independent claim 1.

It is noted that Marshall et al. also fails to disclose or suggest displaying, on the user interface, a first numeric value associated with a user selected variable value feature.

The Examiner further alleges, in formulating the rejection, that Frederiksen et al. illustrates, by reference item 54, 56, 62, and 64 of Figure 1, that the copier changes (overrides) the displayed first numeric value (64) associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected variable value feature by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected variable value feature.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42). Frederiksen et al. fails to teach or suggest that reference item 62 of Figure 1 displays a second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to teach or suggest changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

It is noted that Marshall et al. also fails to disclose or suggest changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

Moreover, the Examiner alleges, in formulating the rejection, that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second numeric value associated with the selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected original document size. Frederiksen et al. fails to teach or suggest, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

Moreover, the Examiner previously asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

As illustrated and taught by Frederiksen et al., reference item 64 of Figure 1 does not change in response to activation buttons 54 and 56. Moreover, Frederiksen et al. fails to teach or suggest that reference item 64 of Figure 1 is an annotated message associated with the displayed second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

It is clear from the Examiner's own arguments that Frederiksen et al. fails to teach or suggest displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message.

It is noted that Marshall et al. also fails to disclose or suggest displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message.

Lastly, the Examiner recognizes that Frederiksen et al. fails to disclose that the copier displays no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message wherein the annotated message expresses information equivalent to the displayed second numeric value in a non-numeric form.

To meet this deficiency, the Examiner alleges that Marshall et al., from some extrapolation of the illustration of Figure 3, discloses the displaying of no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message wherein the annotated message expresses information equivalent to the displayed second numeric value in a non-numeric form.

In contrast, Marshall et al. illustrates, in Figure 3, an example of an annotated document. Based upon this single illustration, the Examiner contrives a process of handling annotations on a document. The Examiner fails to provide any factual evidence from Marshall et al. to support the Examiner's allegations.

Initially, the teachings of Marshall et al., which are directed to providing emphasis to certain freeform annotations found on a document lack any nexus to the teachings of Frederiksen et al., which are directed to a user interface, let alone any nexus to the claimed invention, which recites a user interface that does not display an annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message wherein the annotated message expresses information equivalent to the displayed second numeric value in a non-numeric form.

More specifically, the teachings of Marshall et al. are not relevant or analogous to the teaching of Frederiksen et al. or the claimed invention.

Thus, contrary to the Examiner's assertion, Marshall et al. fails to disclose or suggest displaying no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message wherein the annotated message expresses information equivalent to the displayed second numeric value in a non-numeric form.

In summary, Frederiksen et al. and Marshall et al., singly or in combination, fail to disclose, suggest, or render obvious to one of ordinary skill in the art, as set forth by independent claim 1:

- (1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) displaying no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message.

### **Dependent Claim 2**

As set forth above, dependent claim 2, incorporating the limitations of independent claim 1, sets forth a method of setting a magnification function, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values, on a user interface, the user interface having user activatable areas enabling a selection and changing of the magnification function. The method displays, on the user interface, a first numeric value associated with a user selected magnification function; changes the displayed first numeric value associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function; and determines if an annotated message is associated with the displayed second numeric value associated with the selected magnification function, the annotated message expressing information equivalent to the displayed second numeric value in a non-numeric form.



The method displays the annotated message associated with the selected magnification function along with the displayed second numeric value associated with the selected magnification function when it is determined that the displayed second value associated with the selected magnification function has an associated annotation message and displays no annotated message when it is determined that the displayed second numeric value associated with the selected magnification function has no associated annotation message.

The Examiner apparently alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected magnification function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose or suggest displaying, on the user interface, a first numeric value associated with a user selected magnification function, as set forth by dependent claim 2, incorporating the limitations of independent claim 1.

The Examiner further apparently alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected magnification function by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected magnification function.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42).

Frederiksen et al. fails to disclose or suggest that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose or suggest changing the displayed first numeric value associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function.

Moreover, the Examiner apparently alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second numeric value associated with the selected magnification function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Frederiksen et al. fails to disclose or suggest, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose or suggest displaying the annotated message associated with the selected magnification function along with the displayed second numeric value associated with the selected magnification function when it is determined that the displayed second value associated with the selected magnification function has an associated annotation message.

In summary, Frederiksen et al. fails to disclose or suggest, as set forth by dependent claim 2, incorporating the limitations of independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected magnification function;

(2) changing the displayed first numeric value associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function; and/or

(3) displaying the annotated message associated with the selected magnification function along with the displayed second numeric value associated with the selected magnification function when it is determined that the displayed second value associated with the selected magnification function has an associated annotation message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 2, incorporating the limitations of independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected magnification function;

(2) changing the displayed first numeric value associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function; and/or

(3) displaying the annotated message associated with the selected magnification function along with the displayed second numeric value associated with the selected magnification function when it is determined that the displayed second value associated with the selected magnification function has an associated annotation message.

**Dependent Claim 3**

As set forth above, dependent claim 3, incorporating the limitations of independent claim 1, sets forth a method of setting a facsimile transmission function, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values, on a user interface, the user interface having user activatable areas enabling a selection and changing of the facsimile transmission function. The method displays, on the user interface, a first numeric value associated with a user selected facsimile transmission function; changes the displayed first numeric value associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value associated with the selected facsimile transmission function by a user engaging a user activatable area of the user interface associated with the selected facsimile transmission function; and determines if an annotated message is associated with the displayed second numeric value associated with the selected facsimile transmission function, the annotated message expressing information equivalent to the displayed second numeric value in a non-numeric form.

The method displays the annotated message associated with the selected facsimile transmission function along with the displayed second numeric value associated with the selected facsimile transmission function when it is determined that the displayed second value associated with the selected facsimile transmission function has an associated annotation message and displays no annotated message when it is determined that the displayed second numeric value associated with the selected facsimile transmission function has no associated annotation message.

The Examiner apparently alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected facsimile transmission function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected facsimile transmission function, as set forth by dependent claim 3, incorporating the limitations of independent claim 1.

The Examiner further apparently alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected facsimile transmission function by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected facsimile transmission function.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the facsimile transmission value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42). Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value associated with the selected facsimile transmission function by a user engaging a user activatable area of the user interface associated with the selected facsimile transmission function.

Moreover, the Examiner apparently alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second value associated with the selected facsimile transmission function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second numeric value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying the annotated message associated with the selected facsimile transmission function along with the displayed second numeric value associated with the selected facsimile transmission function when it is determined that the displayed second value associated with the selected facsimile transmission function has an associated annotation message.

In summary, Frederiksen et al. fails to disclose or suggest, as set forth by dependent claim 3, incorporating the limitations of independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected facsimile transmission function;

(2) changing the displayed first numeric value associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value associated with the selected facsimile transmission function by a user engaging a user activatable area of the user interface associated with the selected facsimile transmission function; and /or

(3) displaying the annotated message associated with the selected facsimile transmission function along with the displayed second numeric value associated with the selected facsimile transmission function when it is determined that the displayed second value associated with the selected facsimile transmission function has an associated annotation message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 3, incorporating the limitations of independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected facsimile transmission function;

(2) changing the displayed first numeric value associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value associated with the selected facsimile transmission function by a user engaging a user activatable area of the user interface associated with the selected facsimile transmission function; and /or

(3) displaying the annotated message associated with the selected facsimile transmission function along with the displayed second numeric value associated with the selected facsimile transmission function when it is determined that the displayed second value associated with the selected facsimile transmission function has an associated annotation message.

**Dependent Claim 4**

As set forth above, dependent claim 4, incorporating the limitations of independent claim 1, sets forth a method of setting a contrast function, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values, on a user interface, the user interface having user activatable areas enabling a selection and changing of the contrast function. The method displays, on the user interface, a first numeric value associated with a user selected contrast function; changes the displayed first numeric value associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value associated with the selected contrast function by a user engaging a user activatable area of the user interface associated with the selected contrast function; and determines if an annotated message is associated with the displayed second numeric value associated with the selected contrast function, the annotated message expressing information equivalent to the displayed second numeric value in a non-numeric form.

The method displays the annotated message associated with the selected contrast function along with the displayed second numeric value associated with the selected contrast function when it is determined that the displayed second value associated with the selected contrast function has an associated annotation message and displays no annotated message when it is determined that the displayed second numeric value associated with the selected contrast function has no associated annotation message.

The Examiner apparently alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected contrast function.



In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected contrast function, as set forth by dependent claim 4, incorporating the limitations of independent claim 1.

The Examiner further apparently alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected contrast function by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected contrast function.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the contrast value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42).

Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value associated with the selected contrast function by a user engaging a user activatable area of the user interface associated with the selected contrast function.

Moreover, the Examiner apparently alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second value associated with the selected contrast function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size. Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second numeric value.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying the annotated message associated with the selected contrast function along with the displayed second numeric value associated with the selected contrast function when it is determined that the displayed second value associated with the selected contrast function has an associated annotation message.

In summary, Frederiksen et al. fails to disclose, as set forth by dependent claim 4, incorporating the limitations of independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected contrast function;

(2) changing the displayed first numeric value associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value associated with the selected contrast function by a user engaging a user activatable area of the user interface associated with the selected contrast function; and/or

(3) displaying the annotated message associated with the selected contrast function along with the displayed second numeric value associated with the selected contrast function when it is determined that the displayed second value associated with the selected contrast function has an associated annotation message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 4, incorporating the limitations of independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected contrast function;

(2) changing the displayed first numeric value associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value associated with the selected contrast function by a user engaging a user activatable area of the user interface associated with the selected contrast function; and/or

(3) displaying the annotated message associated with the selected contrast function along with the displayed second numeric value associated with the selected contrast function when it is determined that the displayed second value associated with the selected contrast function has an associated annotation message.

#### **Dependent Claim 5**

As set forth above, dependent claim 5, incorporating the limitations of independent claim 1, sets forth a method of setting a variable value feature, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values, on a user interface, the user interface having user activatable areas enabling a selection and changing of the variable value feature. The method displays, on the user interface, a first numeric value associated with a user selected variable value feature; changes the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature; and determines if an annotated message is associated with the displayed second numeric value associated with the selected variable value feature, the

annotated message expressing information equivalent to the displayed second numeric value in a non-numeric form.

The method displays the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message and displays no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message. The method further disables the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

The Examiner alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected variable value feature, as set forth by dependent claim 5, incorporating the limitations of independent claim 1.

The Examiner further alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected variable value feature by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected variable value feature.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42).

Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

Moreover, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second value associated with the selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second value.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message.

Lastly, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 34-39, disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

As noted above, Frederiksen et al. discloses, at column 3, lines 29-39, that a graphical document image (reference number 64 of Figure 1) is displayed at the same time as the numeric value for the size of the copy image is displayed (reference number 52 of Figure 1).

This concurrent displaying of a graphical document image and the numeric value for the size of the copy image fails to disclose disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

In summary, Frederiksen et al. fails to disclose, as set forth by dependent claim 5, incorporating the limitations of independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 5, incorporating the limitations of independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

**Independent Claim 7**

As set forth above, independent claim 7 sets forth a user interface for selecting and setting a variable value feature, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values. The user interface includes a display area to display a first numeric value associated with a user selected variable value feature; a user activatable area to change the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature; a memory for storing a number of annotated messages, each annotated message being associated a numeric value of the user selected variable value feature, the annotated message expressing information equivalent to the associated numeric value of the user selected variable value feature in a non-numeric form; and a controller to determine if a stored annotated message is associated with the displayed second numeric value associated with the selected variable value feature.

The controller causes the display area to display the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message. The controller causes the display area to display no annotated message associated when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message.

In formulating the rejection, the Examiner alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.



Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose or suggest that reference item 64 of Figure 1 is a first numeric value associated with a user selected variable value feature, as set forth by independent claim 7.

It is noted that Marshall et al. also fails to disclose or suggest displaying, on the user interface, a first numeric value associated with a user selected variable value feature.

The Examiner further alleges, in formulating the rejection, that Frederiksen et al. illustrates, by reference item 54, 56, 62, and 64 of Figure 1, that the copier changes (overrides) the displayed first numeric value (64) associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected variable value feature by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected variable value feature.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42). Frederiksen et al. fails to teach or suggest that reference item 62 of Figure 1 displays a second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to teach or suggest changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

It is noted that Marshall et al. also fails to disclose or suggest changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

Moreover, the Examiner alleges, in formulating the rejection, that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second numeric value associated with the selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected original document size. Frederiksen et al. fails to teach or suggest, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

Moreover, the Examiner previously asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

As illustrated and taught by Frederiksen et al., reference item 64 of Figure 1 does not change in response to activation buttons 54 and 56. Moreover, Frederiksen et al. fails to teach or suggest that reference item 64 of Figure 1 is an annotated message associated with the displayed second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second numeric value associated with the selected variable value feature (magnification, the variable value feature associated with buttons 54 and 56).

It is clear from the Examiner's own arguments that Frederiksen et al. fails to teach or suggest displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message.

It is noted that Marshall et al. also fails to disclose or suggest displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message.

Lastly, the Examiner recognizes that Frederiksen et al. fails to disclose that the copier displays no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message wherein the annotated message expresses information equivalent to the displayed second numeric value in a non-numeric form.

To meet this deficiency, the Examiner alleges that Marshall et al., from some extrapolation of the illustration of Figure 3, discloses the displaying of no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message wherein the annotated message expresses information equivalent to the displayed second numeric value in a non-numeric form.

In contrast, Marshall et al. illustrates, in Figure 3, an example of an annotated document. Based upon this single illustration, the Examiner contrives a process of handling annotations on a document. The Examiner fails to provide any factual evidence from Marshall et al. to support the Examiner's allegations.

Initially, the teachings of Marshall et al., which are directed to providing emphasis to certain freeform annotations found on a document lack any nexus to the teachings of Frederiksen et al., which are directed to a user interface, let alone any nexus to the claimed invention, which recites a user interface that does not display an annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message wherein the annotated message expresses information equivalent to the displayed second numeric value in a non-numeric form.

More specifically, the teachings of Marshall et al. are not relevant or analogous to the teaching of Frederiksen et al. or the claimed invention.

Thus, contrary to the Examiner's assertion, Marshall et al. fails to disclose or suggest displaying no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message wherein the annotated message expresses information equivalent to the displayed second numeric value in a non-numeric form.

In summary, Frederiksen et al. and Marshall et al., singly or in combination, fail to disclose, suggest, or render obvious to one of ordinary skill in the art, as set forth by independent claim 7:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) displaying no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message.

### **Dependent Claim 9**

As set forth above, dependent claim 9, incorporating the limitations of independent claim 7, sets forth a user interface for selecting and setting a variable value feature, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values. The user interface includes a display area to display a first numeric value associated with a user selected variable value feature; a user activatable area to change the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature; a memory for storing a number of annotated messages, each annotated message being associated a numeric value of the user selected variable value feature, the annotated message expressing information equivalent to the associated numeric value of the user selected variable value feature in a non-numeric form; and a controller to determine if a stored annotated message is associated with the displayed second numeric value associated with the selected variable value feature.

The controller causes the display area to display the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message. The controller causes the display area to display no annotated message associated when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message.

The controller disables the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

The Examiner alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected variable value feature, as set forth by dependent claim 9, incorporating the limitations of independent claim 7.

The Examiner further alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected variable value feature by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected variable value feature.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42).

Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

Moreover, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second value associated with the selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second value.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message.

Lastly, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 34-39, disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

As noted above, Frederiksen et al. discloses, at column 3, lines 29-39, that a graphical document image (reference number 64 of Figure 1) is displayed at the same time as the numeric value for the size of the copy image is displayed (reference number 52 of Figure 1).

This concurrent displaying of a graphical document image and the numeric value for the size of the copy image fails to disclose disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

In summary, Frederiksen et al. fails to disclose, as set forth by dependent claim 9, incorporating the limitations of independent claim 7:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or



(4) disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 9, incorporating the limitations of independent claim 7:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

**Dependent Claim 13**

As set forth above, as set forth by dependent claim 13, incorporating the limitations of independent claim 7, sets forth a user interface for selecting and setting a magnification function, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values. The user interface includes a display area to display a first numeric value associated with a user selected magnification function; a user activatable area to change the displayed first numeric value associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value associated with the selected magnification function; a memory for storing a number of annotated messages, each annotated message being associated a numeric value of the user selected magnification function, the annotated message expressing information equivalent to the associated numeric value of the user selected magnification function in a non-numeric form; and a controller to determine if a stored annotated message is associated with the displayed second numeric value associated with the selected magnification function.

The controller causes the display area to display the annotated message associated with the selected magnification function along with the displayed second numeric value associated with the selected magnification function when it is determined that the displayed second numeric value associated with the selected magnification function has an associated annotation message. The controller causes the display area to display no annotated message associated when it is determined that the displayed second numeric value associated with the selected magnification function has no associated annotation message.

The Examiner apparently alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected magnification function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose or suggest displaying, on the user interface, a first numeric value associated with a user selected magnification function, as set forth by dependent claim 13, incorporating the limitations of independent claim 7.

The Examiner further apparently alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected magnification function by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected magnification function.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42).

Frederiksen et al. fails to disclose or suggest that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose or suggest changing the displayed first numeric value associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function.

Moreover, the Examiner apparently alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second numeric value associated with the selected magnification function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Frederiksen et al. fails to disclose or suggest, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose or suggest displaying the annotated message associated with the selected magnification function along with the displayed second numeric value associated with the selected magnification function when it is determined that the displayed second value associated with the selected magnification function has an associated annotation message.

In summary, Frederiksen et al. fails to disclose or suggest, as set forth by dependent claim 13, incorporating the limitations of independent claim 7:

(1) displaying, on the user interface, a first numeric value associated with a user selected magnification function;

(2) changing the displayed first numeric value associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function; and/or

(3) displaying the annotated message associated with the selected magnification function along with the displayed second numeric value associated with the selected magnification function when it is determined that the displayed second value associated with the selected magnification function has an associated annotation message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 13, incorporating the limitations of independent claim 7:

(1) displaying, on the user interface, a first numeric value associated with a user selected magnification function;

(2) changing the displayed first numeric value associated with the selected magnification function by a predetermined numeric amount so as to display a second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function; and/or

(3) displaying the annotated message associated with the selected magnification function along with the displayed second numeric value associated with the selected magnification function when it is determined that the displayed second value associated with the selected magnification function has an associated annotation message.

**Dependent Claim 14**

As set forth above, as set forth by dependent claim 14, incorporating the limitations of independent claim 7, sets forth a user interface for selecting and setting a facsimile transmission function, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values. The user interface includes a display area to display a first numeric value associated with a user selected facsimile transmission function; a user activatable area to change the displayed first numeric value associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value associated with the selected facsimile transmission function; a memory for storing a number of annotated messages, each annotated message being associated a numeric value of the user selected facsimile transmission function, the annotated message expressing information equivalent to the associated numeric value of the user selected facsimile transmission function in a non-numeric form; and a controller to determine if a stored annotated message is associated with the displayed second numeric value associated with the selected facsimile transmission function.

The controller causes the display area to display the annotated message associated with the selected facsimile transmission function along with the displayed second numeric value associated with the selected facsimile transmission function when it is determined that the displayed second numeric value associated with the selected facsimile transmission function has an associated annotation message. The controller causes the display area to display no annotated message associated when it is determined that the displayed second numeric value associated with the selected facsimile transmission function has no associated annotation message.

The Examiner apparently alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected facsimile transmission function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected facsimile transmission function, as set forth by dependent claim 14, incorporating the limitations of independent claim 7.

The Examiner further apparently alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected facsimile transmission function by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected facsimile transmission function.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the facsimile transmission value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42). Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value associated with the selected facsimile transmission function by a user engaging a user activatable area of the user interface associated with the selected facsimile transmission function.

Moreover, the Examiner apparently alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second value associated with the selected facsimile transmission function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second numeric value associated with the selected magnification function by a user engaging a user activatable area of the user interface associated with the selected magnification function.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second numeric value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying the annotated message associated with the selected facsimile transmission function along with the displayed second numeric value associated with the selected facsimile transmission function when it is determined that the displayed second value associated with the selected facsimile transmission function has an associated annotation message.

In summary, Frederiksen et al. fails to disclose or suggest, as set forth by dependent claim 14, incorporating the limitations of independent claim 7:

- (1) displaying, on the user interface, a first numeric value associated with a user selected facsimile transmission function;



(2) changing the displayed first numeric value associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value associated with the selected facsimile transmission function by a user engaging a user activatable area of the user interface associated with the selected facsimile transmission function; and /or

(3) displaying the annotated message associated with the selected facsimile transmission function along with the displayed second numeric value associated with the selected facsimile transmission function when it is determined that the displayed second value associated with the selected facsimile transmission function has an associated annotation message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 14, incorporating the limitations of independent claim 7:

(1) displaying, on the user interface, a first numeric value associated with a user selected facsimile transmission function;

(2) changing the displayed first numeric value associated with the selected facsimile transmission function by a predetermined numeric amount so as to display a second numeric value associated with the selected facsimile transmission function by a user engaging a user activatable area of the user interface associated with the selected facsimile transmission function; and /or

(3) displaying the annotated message associated with the selected facsimile transmission function along with the displayed second numeric value associated with the selected facsimile transmission function when it is determined that the displayed second value associated with the selected facsimile transmission function has an associated annotation message.

**Dependent Claim 15**

As set forth above, as set forth by dependent claim 15, incorporating the limitations of independent claim 7, sets forth a user interface for selecting and setting a contrast function, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values. The user interface includes a display area to display a first numeric value associated with a user selected contrast function; a user activatable area to change the displayed first numeric value associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value associated with the selected contrast function; a memory for storing a number of annotated messages, each annotated message being associated a numeric value of the user selected contrast function, the annotated message expressing information equivalent to the associated numeric value of the user selected contrast function in a non-numeric form; and a controller to determine if a stored annotated message is associated with the displayed second numeric value associated with the selected contrast function.

The controller causes the display area to display the annotated message associated with the selected contrast function along with the displayed second numeric value associated with the selected contrast function when it is determined that the displayed second numeric value associated with the selected contrast function has an associated annotation message. The controller causes the display area to display no annotated message associated when it is determined that the displayed second numeric value associated with the selected contrast function has no associated annotation message.

The Examiner apparently alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected contrast function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected contrast function, as set forth by dependent claim 15, incorporating the limitations of independent claim 7.

The Examiner further apparently alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected contrast function by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected contrast function.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the contrast value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42).

Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value associated with the selected contrast function by a user engaging a user activatable area of the user interface associated with the selected contrast function.

Moreover, the Examiner apparently alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second value associated with the selected contrast function.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size. Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second numeric value.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying the annotated message associated with the selected contrast function along with the displayed second numeric value associated with the selected contrast function when it is determined that the displayed second value associated with the selected contrast function has an associated annotation message.

In summary, Frederiksen et al. fails to disclose, as set forth by dependent claim 15, incorporating the limitations of independent claim 7:

(1) displaying, on the user interface, a first numeric value associated with a user selected contrast function;

(2) changing the displayed first numeric value associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value associated with the selected contrast function by a user engaging a user activatable area of the user interface associated with the selected contrast function; and/or

(3) displaying the annotated message associated with the selected contrast function along with the displayed second numeric value associated with the selected contrast function when it is determined that the displayed second value associated with the selected contrast function has an associated annotation message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 15, incorporating the limitations of independent claim 7:

(1) displaying, on the user interface, a first numeric value associated with a user selected contrast function;

(2) changing the displayed first numeric value associated with the selected contrast function by a predetermined numeric amount so as to display a second numeric value associated with the selected contrast function by a user engaging a user activatable area of the user interface associated with the selected contrast function; and/or

(3) displaying the annotated message associated with the selected contrast function along with the displayed second numeric value associated with the selected contrast function when it is determined that the displayed second value associated with the selected contrast function has an associated annotation message.

#### **Independent Claim 16**

As set forth above, independent claim 16 sets forth a method of setting a variable value feature on a control panel, the variable value feature having a plurality of values associated therewith, wherein the plurality of values include a default value, at least one industry accepted standard value, and a plurality of non-default values, the control panel having user activatable areas enabling a selection and changing of the variable value feature. The method displays, on a display device, a first numeric value associated with a user selected variable value feature; changes the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging one of the user activatable areas of the control panel associated with the selected variable value feature; determines if the displayed second numeric value is an industry accepted standard value associated with the displayed second numeric value; displays an annotated message corresponding to the industry accepted standard value along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected

variable value feature, the annotated message expressing the industry accepted standard value associated with the displayed second numeric value in a non-numeric form; and displays no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

The Examiner alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected variable value feature, as set forth by independent claim 16.

The Examiner further alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected variable value feature by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected variable value feature.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42).

Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

Moreover, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if the displayed second numeric value is an industry accepted standard value associated with the displayed second numeric value.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value.

Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message corresponding to the industry accepted standard value associated with the displayed second numeric value.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message corresponding to the industry accepted standard value associated with the displayed second value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying an annotated message corresponding to the industry accepted standard value along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature, the annotated message expressing the industry accepted standard value associated with the displayed second numeric value in a non-numeric form.

Lastly, the Examiner recognizes that Frederiksen et al. fails to disclose that the copier displays no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

To meet this deficiency, the Examiner alleges that Marshall et al., from some extrapolation of the illustration of Figure 3, discloses the displaying of no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

In contrast, Marshall et al. illustrates, in Figure 3, an example of an annotated document. Based upon this single illustration, the Examiner contrives a process of handling annotations on a document. The Examiner fails to provide any factual evidence from Marshall et al. to support the Examiner's allegations.

Initially, the teachings of Marshall et al., which are directed to providing emphasis to certain freeform annotations found on a document lack any nexus to the teachings of Frederiksen et al., which are directed to a user interface, let alone any nexus to the claimed invention, which recites a user interface that does not display an annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

More specifically, the teachings of Marshall et al. are not relevant or analogous to the teaching of Frederiksen et al. or the claimed invention.



Thus, contrary to the Examiner's assertion, Marshall et al. fails to disclose or suggest displaying no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

In summary, Frederiksen et al. and Marshall et al., singly or in combination, fail to disclose, suggest, or render obvious to one of ordinary skill in the art, as set forth by independent claim 1:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) displaying no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

#### **Dependent Claim 17**

As set forth above, dependent claim 17, incorporating the limitations of independent claim 16, sets forth a method of setting a variable value feature on a control panel, the variable value feature having a plurality of values associated therewith, wherein the plurality of values include a default value, at least one industry accepted standard value, and a plurality of non-default values, the control panel having user activatable areas enabling a selection and changing of the variable value feature.

The method displays, on a display device, a first numeric value associated with a user selected variable value feature; changes the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging one of the user activatable areas of the control panel associated with the selected variable value feature; determines if the displayed second numeric value is an industry accepted standard value associated with the displayed second numeric value; displays an annotated message corresponding to the industry accepted standard value along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature, the annotated message expressing the industry accepted standard value associated with the displayed second numeric value in a non-numeric form; and displays no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

The method further disables the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message.

The Examiner alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected variable value feature, as set forth by dependent claim 17, incorporating the limitations of independent claim 16.

The Examiner further alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected variable value feature by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected variable value feature.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1.

Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42).

Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

Moreover, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second value associated with the selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value.

Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.

In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second value.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message.

Lastly, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 34-39, disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

As noted above, Frederiksen et al. discloses, at column 3, lines 29-39, that a graphical document image (reference number 64 of Figure 1) is displayed at the same time as the numeric value for the size of the copy image is displayed (reference number 52 of Figure 1).

This concurrent displaying of a graphical document image and the numeric value for the size of the copy image fails to disclose disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

In summary, Frederiksen et al. fails to disclose, as set forth by dependent claim 17, incorporating the limitations of independent claim 16:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) disabling the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 17, incorporating the limitations of independent claim 16:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) disabling the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message.

**Dependent Claim 20**

As set forth above, dependent claim 20, incorporating the limitations of independent claim 16, sets forth a method of setting a variable value feature on a control panel, the variable value feature having a plurality of values associated therewith, wherein the plurality of values include a default value, at least one industry accepted standard value, and a plurality of non-default values, the control panel having user activatable areas enabling a selection and changing of the variable value feature. The method displays, on a display device, a first numeric value associated with a user selected variable value feature; changes the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging one of the user activatable areas of the control panel associated with the selected variable value feature; determines if the displayed second numeric value is an industry accepted standard value associated with the displayed second numeric value; displays an annotated message corresponding to the industry accepted standard value along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature, the annotated message expressing the industry accepted standard value associated with the displayed second numeric value in a non-numeric form; and displays no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

The method further disables the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message; determines whether the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature; disables a user activatable area of the control panel associated selected variable value feature that enables the value of the selected variable value feature to be decremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature; determines whether the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature; and disables a user activatable area of the control panel associated selected variable value feature that enables the value of the selected variable value feature to be incremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature.

The Examiner alleges that Frederiksen et al. illustrates, by reference item 64 of Figure 1, that the copier displays, on the user interface, a first numeric value associated with a user selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose displaying, on the user interface, a first numeric value associated with a user selected variable value feature, as set forth by dependent claim 20, incorporating the limitations of independent claim 16.

The Examiner further alleges that Frederiksen et al. illustrates, by reference items 54, 56, 62, and 64 of Figure 1, that the copier changes the displayed first numeric value (64) associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value (62) associated with the selected variable value feature by a user engaging a user activatable area (54 and 56) of the user interface associated with the selected variable value feature.

In contrast, Frederiksen et al. illustrates, in Figure 1, that the graphical document image 64 (the Examiner's alleged first numeric value) does not change as the user changes the magnification value through actuation of buttons 54 and 56. Furthermore, Frederiksen et al. teaches, at column 3, lines 29-38, that the actuation of buttons 54 and 56 changes the numeric display in window 52 wherein the numeric values represent the copy image size, not reference item 64 of Figure 1. Moreover, Frederiksen et al. teaches, at column 2, lines 53-65, that reference item 62 of Figure 1 displays document size (36), number of sides (38), page type (40), and page orientation (42). Frederiksen et al. fails to disclose that reference item 62 of Figure 1 displays copy image size.

Therefore, contrary to the Examiner's assertion, Frederiksen et al. fails to disclose changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature.

Moreover, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 55-62, that the copier determines if an annotated message is associated with the displayed second value associated with the selected variable value feature.

In contrast, Frederiksen et al. teaches, at column 3, lines 55-62, that reference item 64 of Figure 1 is a graphical document image corresponding to a selected document size. Frederiksen et al. fails to disclose, at column 3, lines 55-62, that reference item 64 of Figure 1 is an annotated message associated with the displayed second value. Moreover, the Examiner asserted that reference item 64 of Figure 1 is the claimed displayed first numeric value.



In view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 can be both the claimed displayed first numeric value and an annotated message associated with the displayed second value.

Furthermore, in view of the Examiner's arguments, it is respectfully requested that the Examiner precisely explain how reference item 64 of Figure 1 is changed by a predetermined numeric amount so as to display a second numeric value and also be an annotated message associated with the displayed second value.

It is clear from the Examiner's own arguments that Frederiksen et al. fails to disclose displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message.

Lastly, the Examiner alleges that Frederiksen et al. discloses, at column 3, lines 34-39, disabling the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message.

As noted above, Frederiksen et al. discloses, at column 3, lines 29-39, that a graphical document image (reference number 64 of Figure 1) is displayed at the same time as the numeric value for the size of the copy image is displayed (reference number 52 of Figure 1).

This concurrent displaying of a graphical document image and the numeric value for the size of the copy image fails to disclose disabling the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message.

In summary, Frederiksen et al. fails to disclose, as set forth by dependent claim 20, incorporating the limitations of independent claim 16:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) disabling the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message.

Moreover, Marshall et al. fails to disclose or suggest, as set forth by dependent claim 17, incorporating the limitations of independent claim 16:

(1) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(2) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(3) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and/or

(4) disabling the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message.

**Remaining Dependent Claims**

With respect to dependent claims 6, 8, 10-12, 18, and 19, these claims stand and fall with the patentability of independent claims 1, 7, and 16.

Accordingly, in view of all the reasons set forth above, the Honorable Board is respectfully requested to reconsider and overturn the present rejections under 35 U.S.C. §103.

**Conclusion**

Accordingly, for all the reasons set forth above, the Honorable Board is respectfully requested to reverse all the outstanding rejections. Also, an early indication of allowability is earnestly solicited.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Michael J. Nickerson', with a stylized, cursive script.

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## **VIII. CLAIMS APPENDIX**

1. (Appealed) A method of setting a variable value feature, having a plurality of values associated therewith wherein the plurality of values include a default value and a plurality of non-default values, on a user interface, the user interface having user activatable areas enabling a selection and changing of the variable value feature, comprising:

(a) displaying, on the user interface, a first numeric value associated with a user selected variable value feature;

(b) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging a user activatable area of the user interface associated with the selected variable value feature;

(c) determining if an annotated message is associated with the displayed second numeric value associated with the selected variable value feature, the annotated message expressing information equivalent to the displayed second numeric value in a non-numeric form;

(d) displaying the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second value associated with the selected variable value feature has an associated annotation message; and

(e) displaying no annotated message when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message.

2. (Appealed) The method as claimed in claim 1, wherein the selected variable value feature is a magnification function.

3. (Appealed) The method as claimed in claim 1, wherein the selected variable value feature is a facsimile transmission function.

4. (Appealed) The method as claimed in claim 1, wherein the selected variable value feature is a contrast function.

5. (Appealed) The method as claimed in claim 1, further comprising:

(f) disabling the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

6. (Appealed) The method as claimed in claim 1, further comprising:

(f) determining whether the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature;

(g) disabling a user activatable area of the user interface associated selected variable value feature that enables the value of the selected variable value feature to be decremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature;

(h) determining whether the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature; and

(i) disabling a user activatable area of the user interface associated selected variable value feature that enables the value of the selected variable value feature to be incremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature.

7. (Appealed) A user interface for selecting and setting a variable value feature, having a plurality of values associated therewith wherein the plurality of values includes a default value and a plurality of non-default values, comprising:

a display area to display a first numeric value associated with a user selected variable value feature;

a user activatable area to change the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature;

a memory for storing a number of annotated messages, each annotated message being associated a numeric value of the user selected variable value feature, the annotated message expressing information equivalent to the associated numeric value of the user selected variable value feature in a non-numeric form; and

a controller to determine if a stored annotated message is associated with the displayed second numeric value associated with the selected variable value feature;

said controller causing said display area to display the annotated message associated with the selected variable value feature along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message;

said controller causing said display area to display no annotated message associated when it is determined that the displayed second numeric value associated with the selected variable value feature has no associated annotation message.

8. (Appealed) The user interface as claimed in claim 7, wherein said user activatable area includes an up user activatable area to increment the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount and a down user activatable area to decrement the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount.

9. (Appealed) The user interface as claimed in claim 7, wherein said controller disables the user activatable area of the user interface associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value associated with the selected variable value feature has an associated annotation message so as to allow the user to become aware of the displayed annotated message.

10. (Appealed) The user interface as claimed in claim 8, wherein said up user activatable area is a first push button and said down user activatable area is a second push button.

11. (Appealed) The user interface as claimed in claim 8, wherein said up user activatable area is a first area on a touch screen and said down user activatable area is a second area on a touch screen.



12. (Appealed) The user interface as claimed in claim 7, wherein said controller determines whether the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature; disables a user activatable area of the user interface associated selected variable value feature that enables the numeric value of the selected variable value feature to be decremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature; determines whether the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature; and disables a user activatable area of the user interface associated selected variable value feature that enables the numeric value of the selected variable value feature to be incremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value.

13. (Appealed) The user interface as claimed in claim 7, wherein the selected variable value feature is a magnification function.

14. (Appealed) The user interface as claimed in claim 7, wherein the selected variable value feature is a facsimile transmission function.

15. (Appealed) The user interface as claimed in claim 7, wherein the selected variable value feature is a contrast function.

16. (Appealed) A method of setting a variable value feature on a control panel, the variable value feature having a plurality of values associated therewith, wherein the plurality of values include a default value, at least one industry accepted standard value, and a plurality of non-default values, the control panel having user activatable areas enabling a selection and changing of the variable value feature, comprising:

(a) displaying, on a display device, a first numeric value associated with a user selected variable value feature;

(b) changing the displayed first numeric value associated with the selected variable value feature by a predetermined numeric amount so as to display a second numeric value associated with the selected variable value feature by a user engaging one of the user activatable areas of the control panel associated with the selected variable value feature;

(c) determining if the displayed second numeric value is an industry accepted standard value associated with the displayed second numeric value;

(d) displaying an annotated message corresponding to the industry accepted standard value along with the displayed second numeric value associated with the selected variable value feature when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature, the annotated message expressing the industry accepted standard value associated with the displayed second numeric value in a non-numeric form; and

(e) displaying no annotated message when it is determined that the displayed second numeric value is not an industry accepted standard value associated with the selected variable value feature.

17. (Appealed) The method as claimed in claim 16, further comprising:

(f) disabling the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed second numeric value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message.

18. (Appealed) The method as claimed in claim 16, further comprising:

(f) determining whether the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature;

(g) disabling a user activatable area of the control panel associated selected variable value feature that enables the value of the selected variable value feature to be decremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature.

19. (Appealed) The method as claimed in claim 16, further comprising:

(f) determining whether the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature; and

(g) disabling a user activatable area of the control panel associated selected variable value feature that enables the value of the selected variable value feature to be incremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature.

20. (Appealed) The method as claimed in claim 16, further comprising:

(f) disabling the user activatable areas of the control panel associated with the selected variable value feature for a predetermined period of time when it is determined that the displayed numeric second value is an industry accepted standard value associated with the selected variable value feature so as to allow the user to become aware of the displayed annotated message;

(g) determining whether the displayed second numeric value associated with the selected variable value feature is a minimum value for the selected variable value feature;

(h) disabling a user activatable area of the control panel associated selected variable value feature that enables the value of the selected variable value feature to be decremented when it is determined that the displayed second numeric value associated

with the selected variable value feature is a minimum value for the selected variable value feature;

(i) determining whether the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature; and

(j) disabling a user activatable area of the control panel associated selected variable value feature that enables the value of the selected variable value feature to be incremented when it is determined that the displayed second numeric value associated with the selected variable value feature is a maximum value for the selected variable value feature.

## **IX. EVIDENCE APPENDIX**

**NONE**

## **X. RELATED PROCEEDINGS APPENDIX**

**NONE**